SOLVAY
SODA ASH JOINT VENTURE

June 16, 1997

Ken Rairigh
WDEQ-Air Quality Division
Herschler Building
122 W. 25th
Cheyenne, WY 82002

RE: AP-W77 Modeling Results

Dear Ken:

The following will clarify the dispersion modeling tables found in Section 6 of Solvay Soda Ash Joint Venture's air quality permit application, AP-W77.

Table 6-1 on pages 6-2 and 6-3: The modeled impacts of PM_{10} are from all sources; existing and proposed, the other pollutants (CO, SO_2, and NO_X) modeled impacts are from the proposed expansion only.

Table 6-2 on page 6-5: The modeled impacts of both PM_{10} and NO_X are of all sources; existing and proposed.

Table 6-3 on page 6-6: The table was inappropriately labeled "Class I PSD Increment Analysis", it should have read "Class II PSD Increment Analysis". All sources at the Solvay Soda Ash Joint Venture facility are increment consuming for PM_{10} (constructed after the major baseline date of January 6, 1975). Therefore, all existing and proposed emissions were modeled to determine increment consumption. The second highest 24-hour impact was compared, since one exceedance per year is allowed.

Table 6-4 on page 6-8 and Table 6-8 on page 6-10: The modeled impacts of all sources; existing and proposed, are included. However, the only significant HAP emissions are from the calciners, AQD #s 17, 48, and 80.

Table 6-7 on page 6-13: The modeled impacts of the proposed expansion sources are included, without accounting for the PSD netting of NO_X. The ΔANC column refers to **percent** change.

If you have further questions, don't hesitate to contact me at (307) 872-6571.

Sincerely,

Dolly A. Potter
Environmental Engineer

cc: Bernie Dailey
Lee Gribovicz

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